(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization International Bureau



1 DERIK BINGTOK IL BERNE KARI BERNE BERNE BIRK 1 IK 18 BERNE KARI BERNE BIRK BIRK BER BERLED BER 1811 1811

(43) International Publication Date 29 January 2004 (29.01.2004)

PCT

(10) International Publication Number WO 2004/010050 A1

(51) International Patent Classification⁷: F23C 11/00, F23N 5/12

F23D 11/44,

(21) International Application Number:

PCT/EP2003/007863

(22) International Filing Date:

18 July 2003 (18.07.2003)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data: 02016090.9

19 July 2002 (19.07.2002) EP

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(81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: PROCESS FOR COMBUSTION OF A LIQUID HYDROCARBON

(57) Abstract: Process for combustion of a liquid Fischer-Tropsch derived hydrocarbon fuel wherein the following steps are performed: (a) obtaining a mixture of liquid hydrocarbon droplets in an oxygen containing gaseous phase, (b) evaporating the liquid hydrocarbon droplets in a cool flame at a temperature of between 300 and 480 °C to obtaining a gaseous mixture comprising oxygen and hydrocarbons, and (c) total combustion of the gaseous mixture obtained in step (b).